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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/045,937	10/19/2001	David J. Beebe	282.020	4878		
23598	7590 12/28/2005		EXAMINER			
BOYLE FREDRICKSON NEWHOLM STEIN & GRATZ, S.C.			ALEXANDER, LYLE			
250 E. WISCONSIN AVENUE SUITE 1030			ART UNIT	PAPER NUMBER		
	EE, WI 53202		1743	-		

DATE MAILED: 12/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary		Application No.	P	Applicant(s)	<u> </u>
		10/045,937	Ε	BEEBE ET AL.	
		Examiner	P	Art Unit	
		Lyle A. Alexander		743	
7 Period for F	The MAILING DATE of this communication app Reply	ears on the cover she	eet with the cor	respondence	address
A SHOR WHICHE - Extension after SIX - If NO per - Failure to Any reply	TENED STATUTORY PERIOD FOR REPLY EVER IS LONGER, FROM THE MAILING DA as of time may be available under the provisions of 37 CFR 1.13 (6) MONTHS from the mailing date of this communication. iod for reply is specified above, the maximum statutory period we reply within the set or extended period for reply will, by statute, or received by the Office later than three months after the mailing atent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMN 16(a). In no event, however, it ill apply and will expire SIX (if cause the application to become	MUNICATION. may a reply be timely MONTHS from the man ABANDONED (filed mailing date of thi 35 U.S.C. § 133).	
Status				•	
2a)⊠ Th 3)∐ Sii	esponsive to communication(s) filed on <u>15 Ju</u> is action is FINAL . 2b) This nee this application is in condition for allowan osed in accordance with the practice under E	action is non-final.			the merits is
Disposition	of Claims				
4a) 5)	aim(s) 10,13-29 and 31-36 is/are pending in the Of the above claim(s) is/are withdraw aim(s) is/are allowed. aim(s) 10, 13-29 and 31-36 is/are rejected. aim(s) is/are objected to. aim(s) are subject to restriction and/or Papers e specification is objected to by the Examiner and drawing(s) filed on is/are: a) acception and acception to the objected to a placement drawing sheet(s) including the correction and drawing sheet(s) including th	vn from consideration election requirement epted or b) □ objecte drawing(s) be held in a	ed to by the Exa beyance. See 3	7 CFR 1.85(a)	
	e oath or declaration is objected to by the Exa				
Priority und	er 35 U.S.C. § 119				
a)	knowledgment is made of a claim for foreign All b) Some * c) None of: Certified copies of the priority documents Certified copies of the priority documents Copies of the certified copies of the priori application from the International Bureau the attached detailed Office action for a list of	have been received have been received ty documents have (PCT Rule 17.2(a)).	f. In Application been received	No	al Stage
Attachment(s)		_			
2) Notice of 3) Informati	References Cited (PTO-892) Draftsperson's Patent Drawing Review (PTO-948) on Disclosure Statement(s) (PTO-1449 or PTO/SB/08) o(s)/Mail Date	Pape	view Summary (P er No(s)/Mail Date. ce of Informal Pate r:	·	PTO-152)

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The Office notes the 10/13/05 amendments do not conform with current practice. Specifically, on page 1 of the amendments claim 15 is indicated as being both amended and also canceled. For the purposes of examination it will be assumed Applicants' intended the amended version of claim 15 to be examined. Appropriate correction is suggested in the next communication.

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 10, 13-29 and 31-36 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by McDewitt et al. (2003/0064422).

See the appropriate paragraph of the 7/15/05 Office action.

Claims 10, 17-21, 24-29,31 and 33-36 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Tiru et al. (USP 4,149,852).

See the appropriate paragraph of the 7/15/05 Office action.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 10,13-29 and 31-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Beebe et al. (USP 6,488,872).

See the appropriate paragraph of the 7/15/05 Office action.

Response to Arguments

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Applicant's arguments filed 10/13/05 have been fully considered but they are not persuasive.

Applicants' traverse the rejections over McDevitt on the basis this references teaches a receptor "bound" to a polymer resin whereas the instant invention requires "mixing of a dye". The act of binding the receptor to the polymer requires mixing the receptor with the polymer (e.g. it must be mixed to facilitate the binding) and has been properly read on the instant claims.

Applicants' state Tiru et al. fail to teach a polymerizing mixture. The freezing of the mixture has been read on the claimed polymer mixture.

Applicants' argue Beebe et al. fails to teach mixing of a dye with a polymer and adding the mixture to a microfluidic device. Hydrogel(102) has been mixed with a pH sensitive material. The hydrogel has been read on the claimed polymer that is mixed with the pH sensitive material.

Applicants urge that because the above 35 USC 102 rejections are improper, then the 35 USC 103 rejections are also improper. The Office maintains all of the rejections of record are proper.

Applicants' reference claim 29 and state none of the cited prior art teach a structure with an immobilized dye entrapped therein and that includes a polymerized mixture. The Office maintains all of the cited references teach microfluidic devices with a polymer mixed with an indicator and have been properly read on the instant claims.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lyle A. Alexander whose telephone number is 571-272-1254. The examiner can normally be reached on Monday, Wednesday and Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on 571-272-1267. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lyle A Alexander Primary Examiner Art Unit 1743

